

From boatanchors@theporch.com Mon May 20 23:37:21 1996
From: rcmorris@mars.ark.com (ray)
Subject: --Tubes for Sale--
Message-ID: <199605210228.TAA02710@mars.ark.com>

Greetings,

Really enjoy the list and all the info it provides. I have a bunch of NOS tubes for sale that some of "the group" might be interested in. I have various amounts of each tube from 5 to 15. If you're interested pse. email me at rcmorris@mars.ark.com. List follows.

4CX250B...829B...5Y3...5933...6173...5894...8613...6336...6173...6130..
6360...3B22...3B28...3B29...6H6...5933...6080...6293...6Y6...6252...807...
6922...5749...5686...5750...2C40A...3E29..

Thanks for the bandwidth and 73. Ray. VE7FBJ.
rcmorris@mars.ark.com

From boatanchors@theporch.com Tue May 21 21:37:06 1996
From: "Randy Zelick" <RANDY@sbii.sb2.pdx.edu>
Subject: 75A4 for trade
Message-ID: <2E845213EBE@sbii.sb2.pdx.edu>

Hi Gang,

Well I really hate to do this, but I have need for a transportable transceiver and cash is tight so....

Anyone want to trade a Drake TR-7 plus cash or a TR-7/R7 combo (preferred) for my 75A4?

The A4 is a high serial number unit with spinner knob, excellent but not mint inside and out. It has the standard SSB filter and a 500 Hz CW filter. In addition, I have 6 and 8 kHz ceramic filters for AM installed in plug-in units which resemble the regular mechanical filters.

A previous owner re-capped the set and did a so-so job, otherwise it is stock. There is one functional problem - quite a bit of drift in the PTO until the set warms up. Some of this may be expected, but in this case it is too much. It takes hours before real stability sets in. Haven't looked into the problem, though.

I have an original manual, and if memory serves it is the one which actually matches the A4.

A TR7 or R7 of interest will have the digital display, AM and CW filters, power supply (for TR7) and preferably a service manual. It should be working properly and intermittent-free.

So let me know.

Thanks,

=Randy=

From boatanchors@theporch.com Tue May 21 15:26:26 1996
From: "Grant Youngman" <nq5t@gte.net>
Subject: 75A4 Selectivity Question
Message-ID: <199605210420.XAA14603@uro.theporch.com>

Gang ...

I just finished rewiring an early (800 serial) 75A4 to remove B+ from the mechanical filter primary windings. I did this by using a 2.2 mh inductor paralleled by 56 pf as the plate load of V5 coupled to the filters through 1000 pf, i.e. its been rewired to look like the later serial no. schematics.

During subsequent testing I've discovered a significant amount of IF blowby of the mechanical filters. The filters have a nice pronounced peak, but I can at least hear a calibrator signal as much as 8-10KHz on each side of zero beat. Seems a might wide -- and its independent of which filter (800Hz or 3.1Khz) is selected. So there seems to be a nice leakage path somewhere.

So the question (finally) .. is this type of blowby normal? I certainly can't see anything obvious, and as yet have been unable to isolate the path. So thought I'd ask -- before wasting a lot more time chasing this thing down.. And if its not normal -- any suggestions, wisdom, guidance ??

Thanks ... Grant/NQ5T

Grant Youngman -- NQ5T
nq5t@gte.net
<http://home1.gte.net/nq5t/index.htm> - Vintage Ham Radio

Beautiful downtown Double Oak, TX

From boatanchors@theporch.com Mon May 20 23:37:21 1996
From: don merz <71333.144@CompuServe.COM>

Subject: ANB-H-1

Message-ID: <960520204654_71333.144_DHB84-2@CompuServe.COM>

Where else could you get so much info on the ANB-H-1 headset other than boatanchors?! Let me add my piece to the communal intelligence: "ANB" stands for "Army-Navy-British."

Thanks.

Don, N3RHT

71333.144@compuserve.com

From boatanchors@theporch.com Tue May 21 15:26:26 1996

From: Karan Lee Carruth <klccarru@tenet.edu>

Subject: Re: ANB-H-1

Message-ID: <Pine.OSF.3.91.960521085659.5960B-100000@francis.tenet.edu>

Ray Mote and other BA types,

Thanks for the very interesting information. I had always thought that the ANB-H-1 elements were used in 4000 ohm systems. I am a bit surprised since the impedance would have been pretty low with ten or twelve connected in parallel in bombers.

I just thought to check my copy of TM 11-487 and find the following:

HS-18	R-14	8000 ohms	none	used with radio and interphone equipment. Replaced by HS-30 for ground use and HS-38 for aircraft use.
HS-23	R-14	8000 ohms	HB-7	Same as above.
HS-30	R-30	256 ohms	HB-30	Ground use
HS-33	ANB-H-1	600 ohms	HB-7	Aircraft use.
HS-38	ANB-H-1	600 ohms	none	Aircraft use - in flying helmets.

I guess I should do more research before I open my mouth - or keyboard as the case may be!

Lenox, WA50VG

klccarru@tenet.edu

From boatanchors@theporch.com Tue May 21 15:26:26 1996

From: pbock@melpar.esys.com (Paul H. Bock)

Subject: Re: ANB-H-1

Message-ID: <9605211503.AA12092@syseng1.se.melpar.esys.com>

>I just thought to check my copy of TM 11-487 and find the following:

<snip>

Lenox, by posting this excerpt you have just redeemed yourself. Great info! Thanks!

73,

Paul, K4MSG

* Paul H. Bock, Jr.	* Principal Systems Engineer
(_) * E-Systems/FC Division	* Telephone: (703) 560-5000 x2062
) * 7700 Arlington Blvd.	* Internet: pbock@melpar.esys.com
* Falls Church, VA 22046	* Mailstop: N204

"What? Us, Interfere? Of course we're going to interfere!
Do what you're best at, that's what I always say!" -- Dr. Who

From boatanchors@theporch.com Tue May 21 21:37:06 1996
From: Andy Wallace <wallace@mc.com>
Subject: arcy sparky Hammarlund IF cans
Message-ID: <9605212011.AA00615@taku>

----- Begin Included Message -----

Shortly, I saw sparks coming from one of the rf cans.

2nd question: This is the 2nd Hammerlund in a row for me that had a shorted IF/RF can. Is that a weakness of this breed?

----- End Included Message -----

My HQ-170 developed the same problem! Getting at/unsoldering the can is one reason it has sat on the shelf for some time now. I feel guilty! ;-/

Robert Fowle (hammarlund@voyager.net) may have the cans...he had offered one to me some time back.

I have heard what shorts is actually the small cap inside. This is shown on the schematic but with no value. I have the info filed away somewhere and will try to post it tomorrow.

Frontier Electronics (don't have the addr handy)
rebuilds IF cans and I have heard good things about
them.

73,
--Andy
wallace@mc.com

From boatanchors@theporch.com Tue May 21 21:37:06 1996
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: arcy sparky Hammarlund IF cans
Message-ID: <199605212121.QAA15281@zoom.bga.com>

As Andy Wallace said

>
(HQ-170 IF transformer)
>
> I have heard what shorts is actually the small cap inside.
> This is shown on the schematic but with no value. I
> have the info filed away somewhere and will try to
> post it tomorrow.

>
While I am not familiar with the HQ-170, figuring out the capacitance
value to use to resonate the coil should be no great problem. It's a
grid dip job (you do have a dip, don't you).

The values of such caps are generally on the order of 100 pf. Remove
the old cap, clean things up, and try 100 pf. across the coil, checking
to see where it resonates with the grid dip. The old Q meter formula,
 $L=25330/(F^2 C)$ comes in handy here. The correct value should
resonate with the slug near the center. Make sure you are dipping on
the coil you are trying to hang the cap across, not the other one.

On plate coils, make sure the cap is rated for the full B+ voltage at
minimum. For checking, you can use low voltage caps (the little
polystyrene jobs work well) with the dip, but in service, use something
like an NPO ceramic.

If the coil is open, don't give up until you've closely inspected the
leads. The coil itself has a large thermal mass, and usually the
burnout point is in the lead pigtails somewhere---often at the end
where they are soldered to the terminals. A little work with some GC
chemical wire stripper (a strong paint remover) and some Q tips will
usually get even a short pigtail tinnable for reconnection. If these
coils are wound with Litzendraht (multiple insulated wires under the
textile serving), make sure you get ALL of them. One open wire in

20/48 will knock the Q about in half.

Work like this was made to order for the grid dip. Those little boxes are real workhorses.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Tue May 21 21:37:06 1996
From: "David L. Thompson" <thompson@mindspring.com>
Subject: BA forum at Atlanta Hamfestival
Message-ID: <199605212039.QAA17467@borg.mindspring.com>

Marty AA4RM was probably afraid to put out a notice on BA as he is the "chairman (big cheeze)" of the Atlanta Hamfestival, but I am not affiliated so here it is.....

HAMFEST FORUMS (of interest to BAers) All are Saturday and are subject to change.

Room 1 2PM MARS

Room 2 1PM Gud ole Jack W4PPT BA mail List Internet

Room 3 Larry Keith KQ4BY Bring back the 57 Chevys of Ham Radio (sounds interesting)

(9:30AM) for the 57's!

There will be forums on ARRL, Easter Island, Kermadec Island, QRP (W4Q0, a BAer), Beginners, Repeaters, Antennas, EMI-Power Line Noise tracking, QCWA, and DXCC desk.

Oops I missed Packet and Using the Internet for Contesting/DXing.

Whew...

COME TO ATLANTA.....June 8 and 9...Old Sears Building now called City hall East on Ponce De Leon. Call marty or E-mail him and get a flyer.

73, Dave K4JRB

I have no part in either the Hamfestival or the sponsor(ARC).

From boatanchors@theporch.com Tue May 21 15:26:26 1996
Subject: Boatanchors FS SP600, T368

Still have 2 Hammarlund Super-Pro SP600; JX14 & JX21 for sale. \$300 or Best offer?? Also Have T368E Barker & Williamson AM Transmitter for sale. \$650. or best offer (the transmitter can be picked up in Salt Lake City, Utah only, can't ship this one!)

Joe Pfeifer KB7ZZG
801-571-5453 (h)
801-486-3371 (w)

----- Forwarded message ends here -----

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Mon May 20 23:37:21 1996
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
Subject: Bucking transformers...
Message-ID: <31A11FCC.1165@ghgcorp.com>

Hell y'all...

Think I might now why that 35Z5 filament in my S-38B blew. Measured the house current and it was almost 130 volts. Now I know how tricky AC is to measure, but even with the tolerance of the meter that is high. S-38B is rated for 117 volts, so 130 is 13 volts high. That may have been the straw that broke the filament's back.

Someone a while ago posted a schematic for a "bucking transformer" to lower AC voltage with a simple filament-type transformer. How do I do this? (I look thru my "ba stuff to save" directory and nothing, ugh!) Recently aquired a neat little Weston AC voltmeter with high and low "arms", and maybe I'll make a BA "power panel" complete with outlets...

Thanks and 73,
Ben

--

=====
+ Benjamin D. Hall, Houston Texas +
+ BDHall@GHGCorp.com BHall@GP802.JSC.NASA.gov +

=====

From boatanchors@theporch.com Tue May 21 15:26:26 1996
From: Ed Kleckner <ekleck@kendaco.telebyte.net>
Subject: Re: Bucking transformers...
Message-ID: <Pine.LNX.3.91.960521070217.18144A-100000@kendaco.telebyte.com>

On Mon, 20 May 1996, Benjamin D. Hall wrote:

> Someone a while ago posted a schematic for a "bucking transformer" to
> lower AC voltage with a simple filament-type transformer. How do I do
> this? (I look thru my "ba stuff to save" directory and nothing,

Ben -- what I do is wire the primary of the filament xfmr across the line
and then (experimentally) wire the secondary in series with the hot side
of the line so as to lower the output by the filament voltage. I put the
whole thing in a metal box with proper grounding and a fuse appropriate
to the current rating of the xfmr. Usually I then put a plug strip on
the outlet to power various ba's. From your voltages, it sounds like a
12v xfmr might be just right.

73 Ed

~~~~~  
~ Ed Kleckner, N7YQR ~  
~ ekleck@kendaco.telebyte.com ~  
~~~~~

From boatanchors@theporch.com Tue May 21 21:37:06 1996
From: Roy Morgan <morgan@speckle.ncsl.nist.gov>
Subject: Re: Bucking transformers...
Message-ID: <9605212205.AA05595@speckle.ncsl.nist.gov>

>From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
>Subject: Bucking transformers...

>Hell y'all...

>

>Think I might now why that 35Z5 filament in my S-38B blew. Measured the
>house current and it was almost 130 volts.

>

>Someone a while ago posted a schematic for a "bucking transformer" to
>lower AC voltage with a simple filament-type transformer.

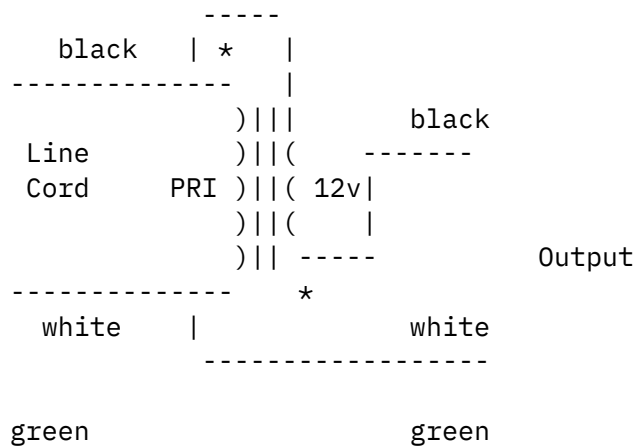
Anchorites,

Here it is. If you run the transformer on the output - that is the reduced line voltage - it will run cooler, but reduce the line by slightly less.

Here's the trick to use a filament transformer to reduce modern too-high line voltage to lower (110 or 115) line voltage for old radio equipment.

Most receivers don't take more than a couple of amps, and 2-amp transformers are easy to find. (If it runs hot, it's too small.)

Filament Transformer



```
* Switch output leads if output is higher than line!
```

Choose filament transformer for the voltage needed to reduce the line voltage to the desired amount, and current rating to equal the needed load current or higher.

The transformer's primary is connected to the power line. The transformer's secondary is connected in series with the power being sent to the outlet point. If it's connected right, the voltage out will be 12 volts LESS than the voltage in. (If it's backwards, the voltage out will be 12 volts MORE than the voltage in.)

If you're worried that the filament transformer is rated at 115 volts, not 125, you can connect the transformer primary to the output, not the input. (It'll work just fine, and this would increase the output voltage slightly.)

If you wanted to, you could mount the transformer inside the receiver

as a permanent part of the radio. Attach the primary wires to the primary wires from the main power transformer. (If you do this, make sure that you have the polarity thing sorted out before you run the receiver on it. 125 PLUS 12 is too much!)

-- Roy Morgan/Building 820, Room 562/Gaithersburg MD 20899
(National Institute of Standards and Technology, formerly NBS)
301-975-3254 Fax: 301-948-6213 morgan@speckle.ncsl.nist.gov --

From boatanchors@theporch.com Tue May 21 15:26:26 1996
From: "Manuel A. Maseda WF1J" <mmaseda@Packet.Net>
Subject: Collins 618S-1A Opinions
Message-ID: <31A1EC81.2AD5@packet.net>

I just picked up a super clean Collins 618S-1A transceiver including all operation and service documentation. I was wondering if it would be worth it to build a power supply and try and get this thing on the air?

Manuel WF1J

From boatanchors@theporch.com Mon May 20 23:37:21 1996
From: ks0f@i1.net (MIKE SANDERS)
Subject: Collins parts F/S etc., Wtd Heath, HRO parts etc.
Message-ID: <199605202144.QAA17207@mail1.i1.net>

Greetings All,

I have a very nice front panel overlay for the 75S3B/C receiver and escutcheon for the 75S3 receiver. Offers? Trade?

A National NC270 complete as a parts unit. Offers - Trade?

A DX40 without cabinet otherwise complete as above.

Collins 516E1 DC supply in good shape unckd. Offers?

1942 TM 11-800 (BC191s) 1944 TM 11-300 (freq meters SCR211)

Schematic for SCR-AS-183 radio set. Anyone need it?

E&E 1948 Surplus Radio Conversion Manual II Offers?

Complete Echophone EC1 in a basket. Offers?

Anyone need the above stuff??? I'm still digging a little at a time in my garage.

Still looking for a front panel, knobs, cabinet for a lil Heath AR3. Also A and C coil for HRO 50. Dial scale AD for HRO 50 or 60. Knobs for NC183D (any in good condition(these are black)). Clear uncracked meter crystal for Hammarlund S meter. S meter for or a junker Knight TR106 or 107. 1943, 1950, 1956 and 1969 ARRL handbooks. Clean

Gonset G33 GC receiver <hysterical laughter here> (I may have been the only one to ever buy one of these things back in 1959). Supply for a Gonset G76. MTF

73 de KS0F Mike

ks0f@i1.net

From boatanchors@theporch.com Mon May 20 23:37:21 1996
From: Arthur Moe <kb7ww@aracnet.com>
Subject: Dayton
Message-ID: <199605202218.PAA25014@trapdoor.aracnet.com>

Had a great time!! Next time I come I'll drive!!!!!!! took most of the night to return to the left coast. Plus I watched the packing and would NOT ship anything home via UPS. So the S71 for \$40. someone else took home. As others said lots of high prices, lots of Collins and E.F. Johnson some Heath but not much of the "gray stuff". I was mainly looking for stuff to put my Millen stuff on the air. Found some rocks for 80, a pair of N.I.B. 812's for the Amp. But no modulation xfmr, did find 2 but they were to small. (can anyone help 250 watts). Hope to go again.

73s
art

AT THE END OF THE OREGON TRAIL

Arthur Moe	ARRL - Life
A.R.S. KB7WW	SMIRK #733
QTH: Oregon City, Or.	QRP ARCI
kb7ww@aracnet.com	QRP-1 #290
artmoe@agora.rdrop.com	

KB7WW TMPS 1996 Q's-019 States-08 Confirmed-000 DX-06
AK AL AZ CA CO HI VA WI
AK HI JA OZ ZL 9M

From boatanchors@theporch.com Mon May 20 23:37:21 1996
From: Sandra L Knepper <slkst29+@pitt.edu>

Subject: Dayton Hamvention - One Day Later

Message-ID: <Pine.3.89.9605201612.A13157-0100000@unixs4.cis.pitt.edu>

Please let me express my appreciation to all those Collins enthusiasts who stopped by #2317 to say hello and expressed words of encouragement. What a great time my son and I had on Friday and Saturday meeting so many of you.

As those who were there can attest, there was no end of boatanchors. Many, of course, needed some TLC as they were in various states of repair or reconditioning. The equipment that was in excellent condition had a price tag that some would regard as too high. If you think that prices were on the high side on Collins, etc. wait until next year. I predict that Collins equipment, especially, those sets that are "cream-puffs" will gain some serious money in the next several years. The down side is that it will disinterest many who will jump to collecting other manufacturers like Johnson, Drake, etc.

I would like to see two Dayton - one in the spring and one in the fall just like the Carlisle Car Shows that some of you know about in Pennsylvania at the Carlisle Fairgrounds or at the Hershey Antique Car Show. Has anyone suggested this to the Dayton Hamvention committee?

Thanks for listening.

Dave, W3BJZ

Publisher of the monthly Collins Journal

From boatanchors@theporch.com Mon May 20 23:37:21 1996

From: Mike LeMoine <mlemoine@SNET.Net>

Subject: Dayton/Gonset Commander/2-prong power sockets

Message-ID: <9605210009.AA21914@CT1.SNET.Net>

Hi Folks,

I really enjoyed Friday and Saturday at Dayton. A cute Gonset Commander leaped into my arms at one spot. It looked complete except no plate coils. I picked up some 40M Z-2 and FT-243 CW crystals at another spot and a Bud 40M plug-in coil at a third spot. Looks like I have the makings of a little 40M CW rig, except, no manual and no power supply. Anyone have a manual they could copy for me? Any recommendations for the power supply?

I got an impression this wasn't a well thought of rig. When I mentioned that I had picked up the Gonset to a person at another table, the only response (in a disparaging tone) was: "I had one of those."

I saw at least 10 R-390 or 390As and several SP-600s. The SP-600s ranged from dirty and missing pieces to extremely clean and including a nice metal mesh case. R-390As ranged from \$150 to \$500 (one very clean example with meters & covers in the trunk of one seller's car Friday). 75A-4s were \$400 and up. I didn't see any CV-157s or CV-591s; also no R-389s or R-391s were seen. Several R-392s were seen with \$200-275 asking prices.

A modified Johnson Viking 275W Matchbox followed me home. Thankfully, no original parts were removed. A couple new connectors had been added on back.

One thing I was looking for at Dayton, but didn't find were some two prong power sockets to replace a couple broken ones I have. I haven't seen these listed in any recent Digi-key, Mouser, Newark, etc. catalog. I guess they're not UL approved! Anyone have a couple they could sell me? I think they're similar to the two prong "cheater" sockets on the backs of older TVs.

Best Regards,

Bill Michels
mlemoine@snet.net

From boatanchors@theporch.com Tue May 21 21:37:06 1996
From: "Barry L. Ornitz" <u856010@eastman.com>
Subject: Drake Filters and Conversion Schemes
Message-ID: <Pine.ULT.3.91.960521180857.20164C-100000@dua150.kpt.emn.com>

On Tue, 21 May 1996, you wrote:

> > > On the subject of IF filtering, which Drake models used a crystal lattice
> > > filter? Moore's book indicates that the R4, R4B, and R4C did. Is this an
> > > error in the R4 data?
> > Yes.
> Uh..er...mmmmm...no. ;) Moore was right.

I read the statement to read that the R-4A did not have a filter, which it did (or at least my R-4A does).

> _All_ the 4's, including the SPR-4 and SW-4A (and the SW-4, I'm sure) have
> an xtal-lattice filter at the 1st IF. The SPR-4 and SW-4A have one sort,
> the R-4, R-4A and R-4B have another sort, and the R-4C has yet another,
> but they all have one, and all at the same 5645 kc center, too. The only
> one Drake specs in the manuals is the one used in the C, which is described
> as 4-pole and 8 kc wide at the 6db points. I wouldn't expect the others
> to be much different, although the addition of 1st IF amps and tuned
> coupling narrows the actual 1st IF bandwidth considerably, to as little
> as 6 kc in the R-4B (according to Sherwood.)

I was told by the Drake service department back in the 1960's that the 4.8 kHz bandwidth was basically provided by the lattice filter bandwidth. I think a 4-pole filter was used. I suspect the actual bandwidth of this filter is not very critical at all. Filter "blow-by" is, however, and the alignment calls for proper neutralization of the filter stage.

> > The R-4C, I believe, still used the 5645 kHz frequency for its first IF
> > frequency, but then converted down to 455 kHz (?) for additional filtering
>
> I think the SW-4/A was the only one to use a 455 kc IF. The rest used a
> 50 kc final IF.
>
> > with lattice filters that were available as options. Since I have never
> > used an R-4C I am not very sure of the details here.

I was not very sure of this. I did know that three IF frequencies were used and the scheme in the R-4C was entirely different than in the earlier receivers.

> The R-4C up-converts to 5695 kc by mixing the 1st IF with the BFO, then
> back down to 50 kc for detection; the switchable xtal filters in the R-4C
> are centered at 5695 kc. This is clever because varying the BFO freq is
> what provides passband shift in the R-4C, which in the R-4/A/B was done
> by actually etuning the hi-Q LC networks which provided virtually all
> their 2nd IF selectivity. This obviously wouldn't work with the fixed
> xtal filters of the C, wherefore the BFO dodge. Neat. ;)

Thanks for explaining this.

This is exactly the type of modification I am working on now with my R-4A. I plan to up-convert from 50 kHz to 455 kHz and use a Collins filter with the same oscillator down-converting back to 50 kHz. By making this 405 kHz oscillator variable, you can get both passband tuning and variable bandwidth by tuning the existing passband filter in the receiver.

> 73 de KF4FJH - RF Buchanan

73, Barry L. Ornitz WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Tue May 21 15:26:26 1996
From: Spencer Petri <spetri@e-tex.com>
Subject: Fair Radio 96 Catalog
Message-ID: <m0uLxBM-0002XvC@e-tex.com>

To those who have or will get the catalog check out the back page part

number HM-1. Who would have thought they would have such an useful piece of test equipment for those of us whose radios glow in the dark.

73 de Pete WA5JCI

From boatanchors@theporch.com Tue May 21 15:26:26 1996
From: oranges@FRB.GOV
Subject: Fair Radio Sales Catalog 96
Message-ID: <1a203120@cclink.frb.gov>

Hello Ba'er,

Got the 1996 Fair Radio Sales Catalog
Monday in the mail.

It lists R-390a at 325.00 checked,
200.00 used and 150.00 as-is,
are these more than last year?
I can't find last year's catalog.

Fred Bohner Arlington,VA

Email address is oranges@frb.gov
MESSAGE FOR PERSONAL USE NOT OFFICIAL USE

From boatanchors@theporch.com Tue May 21 21:37:06 1996
From: steve@hi.com (Steve Byan)
Subject: Re: Fair Radio Sales Catalog 96
Message-ID: <v02130502adc7d17e35a4@[140.243.30.128]>

Fred Bohner <oranges@FRB.GOV> writes:

>Got the 1996 Fair Radio Sales Catalog
>Monday in the mail.
>
>It lists R-390a at 325.00 checked,
>200.00 used and 150.00 as-is,
>are these more than last year?

The '95 catalog lists them at \$295 checked, \$175 used-repairable, and \$135 as-is. I should have sold off my shares in Fidelity Magellan and bought R390A's for my 401K!

Regards,

From boatanchors@theporch.com Mon May 20 23:37:21 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: Filling in Holes.
Message-ID: <UPMAIL03.199605210017010518@msn.com>

Last message of the nite from me.

Someone posted a request for how to fill numerous holes? in a SX-24 front panel.

I can only say that If the panel is not to thick that Ive had good luck with dismantling and using duck tape over the front and then using a 150 iron to heat and then fill the holes with regular rosin core solder. For some reason the duct tape doesn't care about the temperature and after cooling can be ripped off.

Of course, the front will not be perfect, thats when you have to do a little Bondo'ing and sanding, but ive done it at least twice and it works.

2nd of course, got to paint, Their goes the lettering inless its engraved.

Your Friend
Al
fritsche@msn.com

From boatanchors@theporch.com Tue May 21 15:26:26 1996
From: rdkeys@csemail.cropsci.ncsu.edu
Subject: Re: Filling in Holes.
Message-ID: <9605211418.AA101101@csemail.cropsci.ncsu.edu>

>
> Last message of the nite from me.
> Someone posted a request for how to fill numerous holes? in a SX-24 front
> panel.
>

A really good way to do it (going back into my very early young squirt days as an aircraft mechanic) is to drill the hole round (if it is not already round) and drive in an aluminum rivet. Usual practice would be to slightly countersink the hole on both sides and let the rivet fill the hole. Properly done, it makes a very good patch and will take the paint well. The problem is you need to find a good barnyard aircraft mechanic to do it who has the proper sets of riveting guns and bucking bars or the proper hand sets and the right sizes of rivets. Then you need to buy him a case of his favorite local effervescence. It can be done with a ball peen hammer and heavy vise or anvil or some other sort of heavy bucking mass, but requires a lot of patience and

gentle handwork to work the rivet into place.

73/ZUT DE NA4G/Bob

From boatanchors@theporch.com Tue May 21 15:26:26 1996

From: "Barry L. Ornitz" <u856010@eastman.com>

Subject: Filters in Drake receivers

Message-ID: <Pine.ULT.3.91.960520180841.3274A-100000@dua150.kpt.emn.com>

On Sun, 19 May 1996, Bill Sorsby (N5BU) asked:

> On the subject of IF filtering, which Drake models used a crystal lattice
> filter? Moore's book indicates that the R4, R4B, and R4C did. Is this an
> error in the R4 data?

Yes.

In the Drake receivers, the R-4, R-4A, and R-4B all used a crystal lattice filter at the first IF frequency (5645 kHz). This was then mixed with a 5595 kHz signal to produce the second IF frequency, 50 kHz. L-C filters were used at 50 kHz to produce the different bandwidths and to provide passband tuning. The 5645 kHz crystal filter provided the 4.8 kHz bandwidth used for AM reception. For SSB, RTTY, and CW bandwidths, the crystal filter was kept in the circuit to provide a "roofing" filter (in modern receiver nomenclature).

The R-4C, I believe, still used the 5645 kHz frequency for its first IF frequency, but then converted down to 455 kHz (?) for additional filtering with lattice filters that were available as options. Since I have never used an R-4C I am not very sure of the details here.

The problem with the R-4 through R-4B receivers was that the shape factor of the the L-C 50 kHz passband tuning filters was rather poor for modern crowded band conditions. However, their gentle roll-off provided much of the better fidelity not seen with modern receivers with extremely sharp filters.

One early modification for improved SSB performance was to substitute the switched pair of the filters used in the T-4X transmitter for the 5645 kHz AM filter in the R-4 through R-4B receivers. Unfortunately this precluded the use of AM reception. On CW, the existing passband tuning could be used along with the filter skirts to provide an assymetrical response that could help in many situations.

73, Barry L. Ornitz WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Tue May 21 15:26:26 1996
From: azoth@netcom.com (Az0th)
Subject: Re: Filters in Drake receivers
Message-ID: <199605211747.NAA24191@netcom6.netcom.com>

Hiyall,

> > On the subject of IF filtering, which Drake models used a crystal lattice
> > filter? Moore's book indicates that the R4, R4B, and R4C did. Is this an
> > error in the R4 data?
>
> Yes.

Uh..er...mmmmm...no. ;) Moore was right.

All the 4's, including the SPR-4 and SW-4A (and the SW-4, I'm sure) have an xtal-lattice filter at the 1st IF. The SPR-4 and SW-4A have one sort, the R-4, R-4A and R-4B have another sort, and the R-4C has yet another, but they all have one, and all at the same 5645 kc center, too. The only one Drake specs in the manuals is the one used in the C, which is described as 4-pole and 8 kc wide at the 6db points. I wouldn't expect the others to be much different, although the addition of 1st IF amps and tuned coupling narrows the actual 1st IF bandwidth considerably, to as little as 6 kc in the R-4B (according to Sherwood.)

> The R-4C, I believe, still used the 5645 kHz frequency for its first IF
> frequency, but then converted down to 455 kHz (?) for additional filtering

I think the SW-4/A was the only one to use a 455 kc IF. The rest used a 50 kc final IF.

> with lattice filters that were available as options. Since I have never
> used an R-4C I am not very sure of the details here.

The R-4C up-converts to 5695 kc by mixing the 1st IF with the BF0, then back down to 50 kc for detection; the switchable xtal filters in the R-4C are centered at 5695 kc. This is clever because varying the BF0 freq is what provides passband shift in the R-4C, which in the R-4/A/B was done by actually etuning the hi-Q LC networks which provided virtually all their 2nd IF selectivity. This obviously wouldn't work with the fixed xtal filters of the C, wherefore the BF0 dodge. Neat. ;)

73 de KF4FJH - RF Buchanan

From boatanchors@theporch.com Tue May 21 15:26:26 1996
From: "Cliff Blakey" <Cliff.Blakey@dns.cyberlink.bc.ca>
Subject: FS literature
Message-ID: <199605211906.NAA00147@dns.cyberlink.bc.ca>

Hello fellow BAers;
It's spring cleaning time. I have some surplus literature to clear out. I've been hanging onto too much. No room even in the garage!

1 ea AFP 50 "A study course for Communications & Radar Technicians", section 1, part 3.

1 ea AFP 50 "A study course for Communications & Rada Technicians", Volume 2

2 ea AFP52-8 "Radar Circuit & Analysis"

1 ea Navships 91828A "Handbook of Test Methods & Practices"

1 ea TM11-661 "Electrical Fundamentals (Direct Current)"

2 ea TM11-662 "Basic Theory & Application Of Electron Tubes"

1 ea TM11-666 "Antennas & Radio Propagation"

1 ea TM11-668 "FM Transmitters & Receivers"

1 ea TM11-672 "Pulse Techniques"

1 ea TM11-681 "Electrical Fundamentals (Alternating Current)"

1 ea ARRL 1962 handbook (binding is scuffed but complete and intact)

All books are complete with no tears and in good shape.

Asking \$10 ea U.S. plus shipping

Western Wireless Company:
2310 34th Ave. N.
Cranbrook, B.C. V1C 4L6 Canada
Tel/Fax 604-489-5874

VE7WWC
cblakey@cyberlink.bc.ca
Preserving Yesterday's Wireless Heritage.

From boatanchors@theporch.com Tue May 21 21:37:06 1996
From: jkh@lexis-nexis.com (John Heck)
Subject: Re: FS literature
Message-ID: <9605211953.AA26350@beans.lexis-nexis.com>

Cliff,
I'll take the following. Please advise.
John Heck
jkh@lexis-nexis.com

> 1 ea ARRL 1962 handbook (binding is scuffed but complete and intact)
>
> All books are complete with no tears and in good shape.
>
> Asking \$10 ea U.S. plus shipping

> Hello fellow BAers;
> It's spring cleaning time. I have some surplus literature to clear
> out. I've been hanging onto too much. No room even in the garage!

> Western Wireless Company:
> 2310 34th Ave. N.
> Cranbrook, B.C. V1C 4L6 Canada
> Tel/Fax 604-489-5874
> VE7WWC
> cblakey@cyberlink.bc.ca
> Preserving Yesterday's Wireless Heritage.
>

From boatanchors@theporch.com Mon May 20 23:37:21 1996
From: Sandy Blaize <70401.134@CompuServe.COM>
Subject: FS/Swap: Drake/Collins filters
Message-ID: <960521005045_70401.134_IHD70-1@CompuServe.COM>

I still have two filters to dispose of:

Collins F 455 J 31 (Think this is for the 75A-4?)
Drake 500 HZ CW filter 5695 Khz. IF (Drake R-4?)

Best offer or trade for ? Still looking for a couple of GOOD
860 tubes, a pair of: RK-18, RK-20, RK-28, 808.

73,

Sandy W5TVW

From boatanchors@theporch.com Tue May 21 15:26:26 1996
From: Karan Lee Carruth <klccarru@tenet.edu>
Subject: FS: Old Radio Books
Message-ID: <Pine.OSF.3.91.960521102130.5054A-100000@gaston.tenet.edu>

The following books are some that I have collected over many years of playing with radios. All prices include book-rate shipping anywhere in the US where the ordinary rate applies. Overseas orders must include sufficient postage. I will hold books for ten days if you E-Mail me with a request. All books are used, may have inscriptions and may have torn or missing dust jackets but are in good or better condition. I also have many aerospace books (neat stuff!) and World War II books - E-Mail me for list.

Lenox Carruth, WA5OVG
10135 Ferndale Road
Dallas, TX 75238-1613
klccarru@tenet.edu

Allied Radio Corporation, "A Dictionary of Electronic Terms," 1959.
Pamphlet. Great collector's item! \$10.00

Allied Radio Corporation, "Allied's Electronics Data Handbook," 1957.
Pamphlet. Great collector's item! \$10.00

Coyne Electrical and Radio School, "Latest Instruments for Servicing
Radio-Television", 1952. \$20.00

Coyne Electrical and Radio School, "Practical Television Servicing and
Trouble Shooting Manual," 1953. \$20.00

Coyne Electrical and Radio School, "Radio and Television Circuits," 1953
\$20.00

Coyne Electrical and Radio School, "Television Servicing Cyclopedia,"
1955. \$25.00

The above four books as a set - \$70.00

"Instruction Book for A.R.C. Type 12 Equipment with UHF Supplement," 1955.
\$12.00

Marcus, Abraham and Marcus, William, "Elements of Radio," 1948. All of
the latest information in 1948. \$15.00

NAVPERS 10086, "Basic Electricity," 1956. Softcover. \$10.00

NAVPERS 10087, "Basic Electronics," 1955. Softcover. \$15.00

Nilson, Arthur R. and Hornung, J.L., "Radio Operating Questions and
Answers," 1948. Questions and answers for the FCC exams. \$10.00

"Reference Data for Radio Engineers," 3rd Edition, 1949. \$35.00

Slurzberg, Morris and Osterheld, William, "Essentials of Electricity for

Radio and Television," 1950. Cover frayed. \$12.00
Smith, F. Langford, "The Radiotron Designer's Handbook," Third edition,
1942. \$40.00

Texas Instruments Sand-State books - E-Mail me if interested

Lenox
klccarru@tenet.edu

From boatanchors@theporch.com Tue May 21 15:26:26 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: Boatanchors FS SP600, T368
Message-ID: <43135.ddillman@igc.apc.org>

NOTE The message below is a re-post from rec.radio.swap. All
replies must go to the person making the post, not me.

----- Forwarded message begins here -----

From: Joe Pfeifer <72622.127@CompuServe.COM>
Newsgroups:
usenet.rec.antiques.radio+phono,usenet.rec.radio.shortwave,usenet.rec.radio.swap
From boatanchors@theporch.com Mon May 20 23:37:21 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: Hallicraftors ht37, s40, sx101a+globe dsb100
Message-ID: <82852.ddillman@igc.apc.org>

NOTE The message below is a re-post from rec.radio.swap. All
replies must go to the person making the post, not me.

----- Forwarded message begins here -----

From: Gordon Dey <znha@igs.net >
Newsgroups: usenet.rec.radio.swap
From boatanchors@theporch.com Tue May 21 21:37:06 1996
From: ks0f@i1.net (MIKE SANDERS)
Subject: Gone
Message-ID: <199605211956.0AA26698@mail1.i1.net>

Greetings,
The NC270, DX40, TM manuals and conversion manual are spoken for.

73 Mike KS0F

From: bgraham@tecnet1.jcte.jcs.mil
Message-ID: <199605212005.PAA16483@uro.theporch.com>

Help!

Need the follwoing Heath SB301 parts:

AM filter Heath model # sba-301-1

Zero set drive pulley Heath part # 100-445 (the little shaft with
the wheel on the end that turns the zero-set "window")

Zero set Knob Heth part# 462-135

Bill
N5LMX/DA1WG

From boatanchors@theporch.com Tue May 21 21:37:06 1996
From: "Barry L. Ornitz" <u856010@eastman.com>
Subject: Good time at Dayton (Long)
Message-ID: <Pine.ULT.3.91.960521192754.20713A-1000000@dua150.kpt.emn.com>

I would like to add to a few others in stating that I had a great time at Dayton this year. The weather was hot, but at least it was dry (not like the time I could say - Flea Market, A River Runs Through It).

I went with my old friend, Steve Kasten. Steve is not a ham (his dad is), but he was looking for Boatanchor test equipment. By way of introduction, Steve is the author of "Electronic Prototype Construction". This book has been out of print for several years, but if you can find it you should buy it. It is about the best book on practical home printed circuit construction ever written.

We drove up from Kingsport, TN, leaving Friday morning. Instead of stopping at the hamfest we drove to Lima and Fair Radio. Steve noticed the distinctive aroma of WWII surplus, sweat, and antifungal coatings immediately. He started looking at the test equipment (which I thought was rather overpriced, particularly for the poor selection). I went looking for Boatanchors. Having gotten their catalogs for over 35 years, it was nice to finally see the place. There were quite a few R-390's and 390A's as well as some newer Collins and Sunair rigs. I saw one T-195 and several R-392's. I found the treasure trove of MS-47 through MS-56 mast

sections and immediately filled out the missing ones in my collection. I also bought a CRT tube and a manual for my R-220/URR. Their photocopy was well done but they left out a few pages (these might be blank for all I know). We got there late so not too many people were there.

After Fair, we drove back to Dayton and past Mendleson's which was already closed. Steve was properly impressed to see eight floors with boxes visible through the windows stacked from floor to ceiling. We then found the great ribs place I went to last year.

Saturday morning, we were at the flea market gates at 5:45. I had my trusty list of BA flea market spaces thanks to Tom, WC9M. Most of the BA folks seemed to be located in the left half of the flea market which was convenient. Larry Keith, KQ4BY, spotted me before I saw him and gave me a warm greeting. I got to see Dave Knepper, W3BJZ, Bill Fuqua, K04WW, Tony Schroeder, N8SNC, Bill Strangfeld, WB8YUW, Allan Stephens, N5AIT, Joe Reynolds, AA4RM, and Richard Duell, W5VDU, as I wandered around that morning. [I think I got that right; I hope I did not leave anyone off.] Later that day, Larry and I were joined by Clark Fishman, WA2UNN, in his "interesting" hat.

By about 3:30 PM, I was completely worn out, but I kept going. After all, this was DAYTON, and I was OBLIGATED to stick it out. I wound up buying a Radiotron 3rd Edition (which I found to be far too "cookbook" for my tastes), and Henney and Fahnestock's "Electron Tubes in Industry" which I have only scanned. I bought two 134 amplifiers for Tektronix current probes, two Boonton inductance standards (100 uH and 5 mH), a few needed tubes, and some other odds and ends. My big catch of the day was a Fluke 887AB differential voltmeter [which answers my needs for a calibration standard for my other BA test equipment]. I will need a manual for this unit if anyone has one.

About 5:15 Steve and I were waiting at the gate for Roberta Barmore, KB9GKX. She and Larry Keith were going to dinner with us. All I had was a rough description - something about lineman's boots. Steve saw Bobbi first, a very tall nice looking woman with real high-top lace-up lineman's boots! After she got closer, I saw the RCA emblem earrings.

We drove to Eaton, OH, to a little family steakhouse, traditional with the Kingsport crowd. Larry, KQ4BY, was waiting for us. We were soon joined by Bill Price, WA4MCZ, and Jim Clark, WA4HRT. We had a nice meal with lots of interesting tales about TVI, how we got started, and how I once "rented" a BC-610 (I bought it for \$30 and when I could not get it into the car, the seller bought it back for \$25!). Bobbi showed us the nice Bud adjustable crystal holder she found and passed around a nice picture of her BA gear. I came prepared with pictures of my dogs (canines, not the flea market rejects). The evening passed quickly but as tired as everyone was, we finally had to break up.

Sunday morning came far too soon and Steve and I headed back home. I think Steve is hooked on Dayton and we plan to come back again next year.

In looking back, I have a few thoughts about the state of BA collecting. Drake and Collins rigs were everywhere. Many were highly overpriced - including a ridiculous price on a 75A4. It seems the typical ham has decided that he can get REALLY HIGH PRICES for the old gear he dug out of the pile in his basement. Fortunately I saw many of these overpriced junk heaps still sitting there when I left. Military gear was likewise outlandishly overpriced. I think it is about time for the bubble to break on these prices (like the speculation in Holland bulbs long ago).

My particular specialty, Boatanchor test equipment, was an interesting contrast. Good bargains were still available but the number of venerable old 500 series of Tek scopes seemed far, far smaller than I have ever seen. Lots of 7000 series of plug-ins were available, some at good prices, but the old letter and 1 series of plug-ins were noticeably lacking. Some 2 and 3 series of plug-ins and their scopes were there. I suspect the supply of 500 series scopes may finally be running out. Stan Griffiths has told me in the past that he might produce a companion book covering the 5000 and 7000 series of scopes; he said these were the last scopes that Tektronix produced that stand ANY chance of having the average ham repair them and keep them running. Stan, now is the time...

I saw a few HP-608's and HP-200's but only two HP-606A's. There was also quite a bit of more modern solid-state stuff, mainly LED readout but a few Nixies in the bunch too. I saw several Boonton units, some Wavetek, and lots of microwave test goodies (and this time, the thermistor power meters had the matching cables and sensor heads too!). Like my Fluke, most would be too new to confer Boatanchor status on yet. I did see quite a few bridges, resistance, capacitance, and impedance. Likewise I saw quite a few calibration standards. I almost bought two NBS time receivers for GOES satellite reception but decided WWV more than suited my needs.

Tubes seemed to be plentiful, except for the obvious audio tubes. :-(The number of large transmitting tubes seemed to be down this year too. Fortunately the cost of new computer components has made bringing old disk drives and such to the hamfest a futile effort. I hope this trend continues. I found the best Boatanchor radios seemed to be sold by our list members - and they had the fairest prices. Let's hope the speculators get out of this aspect of radio.

To those I met, allow me to say thanks for the pleasant chats; to those I missed, I'll try again next year.

From boatanchors@theporch.com Mon May 20 23:37:21 1996
From: "Deane D McIntyre" <dmcintyr@acs.ucalgary.ca>
Subject: Halli S-20R Sky Champion
Message-ID: <9605202241.ZZ27040@ds1.acs.ucalgary.ca>

Gang:

On the way to do the grocery shopping today (Victoria day holiday here in Canada) I was thinking about all the great BA deals I had likely missed at Dayton, based on the reports here. Passed a garage sale, no harm in stopping. Got out of the car, the first thing that caught my eye was a S-20R Sky Champion perched atop a pile of junk (actually SS stereo gear). It was lonely and thus decided to follow me home to live with other real radios. Cost \$55 Canadian (~\$40 US). Very nice shape, complete, all original knobs, only blemish a drop of white paint on the front panel. No rust, just a little dust inside. The former owner had it plugged in at the garage sale, works (with low sensitivity) on lower two bands, dead on upper two bands. No hum so filter caps are OK. Yellowed tuning dial and bandspread dial as usual.

I have not looked but I suppose it is full of paper caps which in a set of this age (>50 years) I suppose should be all changed..... Any tips, things to look out for in this rig. Any leads to a schematic copy or manual copy/alignment procedure would be appreciated. Should be reasonably hot (RF, 2 IF stages) but should I really expect this rig to actually receive signals at the upper end on its tuning range (44 Mc). It does use a 6K8 as a converter so there is hope (if it used a 6A8 or 6SA7 I would not bother asking.....). Incidentally the other tubes are all single ended (6SK7 x 3 etc).

73, Deane D McIntyre VE6BP0
dmcintyr@acs.ucalgary.ca

From boatanchors@theporch.com Mon May 20 23:37:21 1996
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
Subject: Re: Halli S-20R Sky Champion
Message-ID: <31A0FCED.5C58@ghgcorp.com>

Deane D McIntyre wrote:

> or manual copy/alignment procedure would be appreciated. Should be
> reasonably hot (RF, 2 IF stages) but should I really expect this rig
> to actually receive signals at the upper end on its tuning range (44 Mc).

> It does use a 6K8 as a converter so there is hope (if it used a 6A8 or
> 6SA7 I would not bother asking.....). Incidentally the other tubes are
> all single ended (6SK7 x 3 etc).

Congrats on the find! Sounds like a keeper...

As far as high end of the band, I wouldn't expect miracles... My Halli
SX-24 uses a 6K8 and 3 6SK7's and is pretty much deaf over 15 MHz. Even
with the 160 foot longwire in my backyard in Alabama I couldn't get any
CB traffic on it. Supposedly, SX-24's are pretty deaf above 15 MHz,
although I don't know why...

Can anyone else chime in here as to why?

However, the R-366/TRR-5, which right now is the premiere radio in my
shack, gets CB traffic on a 10' longwire on my porch... Oh how I love
that R-366...

73,
Ben
--

```
=====
+ Benjamin D. Hall, Houston Texas +
+ BDHall@GHGCorp.com BHall@GP802.JSC.NASA.gov +
=====
```

From boatanchors@theporch.com Mon May 20 23:37:21 1996
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: Halli S-20R Sky Champion
Message-ID: <199605210412.XAA14887@zoom.bga.com>

As Deane D McIntyre said

>

>

> Gang:

>

(on S20R)

> I have not looked but I suppose it is full of paper caps which in a
> set of this age (>50 years) I suppose should be all changed.....
> Any tips, things to look out for in this rig. Any leads to a schematic copy
> or manual copy/alignment procedure would be appreciated. Should be
> reasonably hot (RF, 2 IF stages) but should I really expect this rig
> to actually receive signals at the upper end on its tuning range (44 Mc).
> It does use a 6K8 as a converter so there is hope (if it used a 6A8 or
> 6SA7 I would not bother asking.....). Incidentally the other tubes are
> all single ended (6SK7 x 3 etc).

>

Yes, I'd take a good hard look at the underneath, for wax paper firecrackers in bad shape and resistors with color bands that say something radically different than an ohmmeter does.

The set is essentially the same as an S40, electrically, except for the 6SK7 in the RF and the 6K8. There is a schematic for it in "Fixing up Those Nice Old Radios." If you have an S40 schematic, it's a good guide. No tricks to the alignment---455Kc through the IF's, high oscillator.

So far as performance, don't expect miracles. It suffers from the same thing as the S40: a world class schematic, but a lot of home entertainment components and lossy coils in the front end. A 7S7 in place of the 6K8 might help a bit, but a front end with six bands and high Q coils are needed to get out past 10 meters. You can also try an 1852 in the RF socket, but you'll want to get 150 volts to its screen. I'd restore it to "nice original," using the original setup, and if you want 10 meter performance, either get an RME converter (VHF-152 or 10-20) to put in front of it or get a radio that can cut the mustard at those frequencies.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Tue May 21 15:26:26 1996
From: KA9EGW@aol.com
Subject: Re: Halli S-20R Sky Champion
Message-ID: <960521085429_539628445@emout17.mail.aol.com>

Wow...you mean someone might actually have a use for this old VHF152 that's been gathering dust here? Will swap...

From boatanchors@theporch.com Tue May 21 15:26:26 1996
From: JOHN_SEHRING.parti@ecunet.org
Subject: HALLICRAFTERS RX'S
Message-ID: <9605211315.aa15072@pcusa01.ecunet.org>

No Bill, I don't collect Halli stuff. I've had a few of them over the years tho. My first one was an S-38 in 1954 followed by an SX-96 in 1957. Then an SX-101A in 1976 (still have it) and an SX-100 which I got for cost

of shipping in around 1985.

The story on the SX-100--I advertised in QST looking for Halli 50 KHz IF cans. I wanted to try the dual-loop agc ct of the SX-115 in my SX-101A. Guy called & said he had some cans, 'cept problem was they were still in the radio (an SX-100). Told me I could have the whole thing for cost of shipping!

Well, \$11 and some weeks later, the sorriest wreck of a box appeared on my doorstep. Could whatever was inside have survived?

Well it was a -100 and it worked perfectly right out of the box and has ever since. It had been dropped on a front corner. If nothing else, Bill H. built 'em rugged.

And, no, I never took the IF cans out of it & no, I *still* haven't tried that dual-loop agc ct even tho I've got some of the cans now.

Ah, the BA'ers refrain: Someday. . .

--John Sehring (05/20/96 2:15 pm MT @Baker, Montana) WB2EQG

From boatanchors@theporch.com Mon May 20 23:37:21 1996
Subject: Hallicraftors ht37, s40, sx101a+globe dsb100

Estate of Mike ve3cnk...

Hallicraftors SX101a (rx) + matching Globe dsb100 (tx) + Astatic 10D mic
-original owner (Mike was) c/w bill-of-sale, boxes, manual
Hallicraftors ht37 xcvr
-original owner (Mike was) c/w bill-of-sale, box
Hallicraftors s40 rx
-box, calibration chart Mike had done up.

plus a bunch of other misc. stuff but one load at a time.

These are heavy! I'll discount substantially for pickup, otherwise you pay shipping. Border (Can/US) limits options...but doesn't eliminate them :-) Offers?

Email please (znha@igs.net) phone if you really have to EST 8-11pm please, 613 832 4014.

73, Gord.

----- Forwarded message ends here -----

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Tue May 21 21:37:06 1996
From: "Greg Anders" <anders@autopsy.corp.sgi.com>
Subject: Heath Paint....
Message-ID: <9605211341.ZM5355@autopsy.corp.sgi.com>

I think the Krylon color is Jade, there are four cans sitting in my garage about 30 miles away...

Jim's request for the Krylon color that best matches the SB series cabinet color tweaked me to finally put out the word on the best color match I've found for the darker Heath green found on the Apache, Marauder, etc. Its in Rustoleum's new satin finish line and the color is simply "teal". The cans look different than the traditional rustoleum can, they have a picture of metal lawn furniture, supposedly painted using the compound. Anyway, I've painted the Marauder cabinet and its a purrrrrrrrrfect match. Quite durable too once its dry.

From boatanchors@theporch.com Tue May 21 15:26:26 1996
From: Jim Dillon <beadgal@ptialaska.net>
Subject: Re: Heath SB-310 and Paint Colors
Message-ID: <01BB46EA.51D621A0@juneau_09.dialups.ptialaska.net>

Hi Benton Boxers-

Thanks to Cal, Andy, Greg, John, Nick, Bill, Peter for info on SB-310. = Negotiations are proceeding. Info was right-on. Thanks.
I tend to underestimate Heathkit importance and value, but all I need do is glance at the clock (GC-1197 Digital shelf clock) or wind indicator or VTVM or sig tracer, etc,etc..to be reminded of the fun of assembling = them.

Only rig I ever put together is the Dx-20 from jr. hi Conditional = days. It followed me to Alaska like some Incredible Journey plot. I'll recount it = sometime. But I have a fine working DX-100, Mohawk, Apache, Marauder, = HW-101, SB-610 assembled nicely by others. Which brings me to today's = green machine question:

Someone discovered a close match to the Native American cabinets color last month and posted it (I lost same). It was a Krylon Colorworks = Legacy water-based color. What was the color name?
These spray cans are found at K-Mart and it is difficult to judge colors under the horrific plutonium-hydrogen-ion lights they use. Incidentally, = the
Juneau Alaska K-Mart is *the* place in Alaska to experience the ultimate in escape-the-crowds feeling without the annoyance of bugs. 20,000 square feet of uncrowded consumer wilderness. Noone goes there. Fifteen check-out lanes, but you have to ring a bell to summon the = parttime clerk. I get a xenophobic panic attack going there, so knowing = the color would
help.=20
Has anyone found a way to duplicate the green sandcast finish of the Hot Waters?
Also looking for a Mohican, which I'm sure they won't have at K-Mart.
Thanks again
Jim Dillon beadgal@ptialaska.net

From boatanchors@theporch.com Mon May 20 23:37:21 1996
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: Help - Nordmende Tannhauser C
Message-ID: <199605210353.WAA12599@zoom.bga.com>

As Richard Post said

>

> Tom Lemar wrote,

> >Nordmende Tannhauser C - a beautiful German radio

>

(much deleted)

> In troubleshooting these sets, remember that every superheterodyne
> regardless of maker works the same way. If the B+ is there, can you pass
> audio from the volume control to the speaker? With the set on AM broadcast
> (and the bandswitch making good contact) can you hear the oscillator on a
> nearby set at roughly 455 kHz higher than the tuner setting? With a signal
> generator, can you pass the IF frequency through its stages?

>

> I cannot help with a schematic but send direct e-mail with the specific
> problem on this set. Maybe I can help. That fine set deserves to be
> working.

>

> Be aware that European sets have lots of exposed terminals on the top of
> the chassis, such as the output transformer with exposed connections
> carrying B+.

>

Rich's comments are, in general, "right on" for dealing with strange

equipment from elsewhere.

We have several readers from Europe on the rec.antiques.radio+phono newsgroup, who know their way around this type of box. Unfortunately, the people who marketed them here were none too swift about the US market, and provided next to no service support for these boxes.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Mon May 20 23:37:21 1996
From: Morris Odell <morriso@vifp.monash.edu.au>
Subject: HP200CD
Message-ID: <199605210248.MAA00720@vifp.monash.edu.au>

Hi all,

I've just picked up one of these HP oscillators quite cheaply (along with a Tek RM35A but that's another story) and I wonder whether anyone here can help with a circuit diagram or a pointer to same.

It looks pretty grotty but that's only part of the challenge :-). At least it says 230V as one of the options for fusing so I shouldn't have to run it of a transformer.

I just couldn't help myself with the Tek. It'll be my 7th BA oscilloscope! I'm sure the obsession dates back to a primary school excursion to the local science museum here where they had a scope set up with a microphone so you could see your own voice. I took one look and it was love at first sight... I'm sure you all know the feeling well.

73

Morris Odell VK3DOC Melbourne, Australia
morriso@vifp.monash.edu.au
<http://www.vifp.monash.edu.au/CFM/staff/mo.html>

From boatanchors@theporch.com Tue May 21 21:37:06 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: HQ-145 for \$80.
Message-ID: <UPMAIL03.199605212350250036@msn.com>

Thanks gang for the support on making a done deal and getting screwed by a local. BTW, As Tom Daley said(Hi,Hi) it was probably someone on the list.\

I would not rather think so, but if it was it I can see the scenario. Local calls guy and says will give you 100 bucks. Seller does not tell him of other deal.

BA guy says great I'll pick it up for 100. end of discussion.

No one ever knows what transpires unless they are there.

SO GOOD LUCK whoever on the list GOT it, if thats the case.

The funny thing is I know zip crap about that model and , though I wanted it just for the genaral coverage feature perhaps things worked out best.

Always more opportunities in the future.

Your Friend
Al
fritsche.

From boatanchors@theporch.com Mon May 20 23:37:21 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: HQ-145 of \$80
Message-ID: <UPMAIL03.199605210017000036@msn.com>

Gang, I thought I was lucky to see Tom Daley's post of the guy in Atlanta selling the HQ-145 and a S-85. I called immediately and after talking for 30 minutes on my nickel it was a done deal. For 80 bucks and I added 40 for shipping. We exchanged addresses and what not and I went downstairs to eat. About an hour later he called back and said that a local in Atlanta would give him 100 and pickup himself. Alas I am sure I lost the deal, but it happens.

The only reason Iam writing this is to let all know I didn't get the receiver and from his description it was concourse.

Your Friend
Al
fritsche.

From boatanchors@theporch.com Mon May 20 23:37:21 1996
From: pmills@cyberhouse.com (Phil Mills)

Message-ID: <199605210136.UAA01215@ns.cyberhouse.com>

BTW, are you becoming a Hammarlund collector?

```
> I called immediately and after talking for 30
> minutes on my nickel it was a done deal. For 80 bucks and I added 40 for
> shipping. We exchanged addresses and what not and I went downstairs to eat.
> About an hour later he called back and said that a local in Atlanta would give
> him 100 and pickup himself. >
Phil Mills, AB5TH
pmills@cyberhouse.com
713-992-5762
```

Well, here I go again, planning to examine the cable quality in my neighborhood with a Heathkit HX-30 6m rig. Unfortunately, it does not have the manual. Does anyone have one I could copy or provide me a copy of the pertinent pages for full repayment of copies and postage? Also, I have a little Heathkit MR-11 Mariner receiver that also is manual-less. Heathkit will sell me a copy of the manual for \$40 plus. Not this year!

Thanks very much in advance.

`<<<<<<<<<< T00 many projects, NOT enough time! >>>>>>>>>>>`

Gary H. Harmon, Jr., K5JWK gharmon@txdirect.net
6302 Robin Forest K5JWK@K3WGF.EL09TN.#SAT.TX.USA.NOAM
San Antonio, TX 78239 (210) 657-1549

From boatanchors@theporch.com Mon May 20 23:37:21 1996
From: "Ray L. Mote" <rmote@rain.org>
Subject: Re: ID for headphones?
Message-ID: <Pine.SUN.3.93.960520161515.7434F-100000@coyote.rain.org>

1. Elements ANB-H-1 were used on both the HS-33 and HS-38 headsets. The cases of the elements are machined bakelite. The HS-33 is a pair of ANB-H-1 elements on an HB-7 (leather covered) headband with CO-162 and CO-169 cords to make the short (18-inch) cord, and having the red PL-354 plug to indicate low (600 ohm) impedance. The HS-38 is a pair of ANB-H-1 elements with a *different* cord installed in a leather flying helmet.
2. Later versions of the headsets used the ANB-H-1-A elements, which have steel cases (no replaceable components).
3. The HS-23 headset is the 4000-ohm set, a pair of R-14 elements on the HB-7 headband with the same cordage as an HS-33.
4. Cordage on all of the above (CO-162 & CO-169) is "tinsel wire" (copper strips spiral-wrapped on string, then covered with rubber) enclosed in a cloth overbraid.

73.....Ray Mote, W6RIC <rmote@rain.org>

From boatanchors@theporch.com Tue May 21 15:26:26 1996
From: Ed Kleckner <ekleck@kendaco.telebyte.net>
Subject: Re: ID for Headphones?
Message-ID: <Pine.LNX.3.91.960521073222.21934A-100000@kendaco.telebyte.com>

Thanks to all that responded to my question about the ANB-H-1A headphones. As I've always suspected, there is a wealth of knowledge in the collective group on most any subject. Hopefully, this digression into BA accessories was informative for most readers -- I know it helped me out.

~~~~~  
~ Ed Kleckner, N7YQR ~  
~ ekleck@kendaco.telebyte.com ~  
~~~~~

From boatanchors@theporch.com Tue May 21 15:26:26 1996
From: pbock@melpar.esys.com (Paul H. Bock)
Subject: Re: ID for headphones?

Message-ID: <9605211500.AA12011@syseng1.se.melpar.esys.com>

Ray Mote sez:

>1. Elements ANB-H-1 were used on both the HS-33 and HS-38 headsets.
>The cases of the elements are machined bakelite. The HS-33 is a pair of
>ANB-H-1 elements on an HB-7 (leather covered) headband with CO-162 and
>CO-169 cords to make the short (18-inch) cord, and having the red PL-354
>plug to indicate low (600 ohm) impedance. The HS-38 is a pair of ANB-H-1
>elements with a *different* cord installed in a leather flying helmet.

<snip>

Ray, I figured you'd jump into this and straighten us out -
but in case you hadn't, I went home last night and pulled your
12/7/95 e-mail on this subject (in my BC-348 binder) and was
going to post the gist of it. Thanks for saving me the trouble,
plus this post has a little more info and will go into the binder
as well. :-)

FWIW, my two headsets, both 600 ohms, are as follows:

~~~~~

Set #1: Elements are CTE ANB-H-1A and also stamped "U.S. Navy;"  
cushions are marked "NAF-48490-1." The "shorty" plug is marked  
"NAF No. 215285" and is \*BLACK\*, not red (go figure). The  
headband is plain steel with the snap-on tan canvas cover.

Set #2: Elements are ANB-H-1, mfd by Utah-Chicago. Cushions are  
new (Fair Radio M-301). "Shorty" plug is red, marked "PL-354."  
Headband is leather covered.

73,

Paul, K4MSG

```
* * * * *
* Paul H. Bock, Jr.      Principal Systems Engineer      *
* E-Systems/FC Division  Internet: pbock@melpar.esys.com *
* Falls Church, VA      Telephone: (703) 560-5000 x2062 *
*                                                                *
* Given two waiting lines of equal length and a 50/50      *
* chance of choosing the fastest moving one, you will      *
* choose the slower one 80% of the time.                    *
* * * * *
```

From boatanchors@theporch.com Tue May 21 15:26:26 1996

From: "Ray L. Mote" <rmote@rain.org>

Subject: Re: ID for headphones?

Message-ID: <Pine.SUN.3.93.960521082107.5178B-1000000@coyote.rain.org>

Thanks for the compliments, but I'm \*not\* an expert on this (and am sure hoping to find someone who \*is\*). In going through a bunch of ANB-H-1 elements and empty ANB-H-1 cases, I found units made by Telephonics Corporation, Radio Speakers Inc., Shure Brothers, The Rola Company Inc., Utah-Chicago, Best Mfg. Co. Inc., Western Electric, Pax Electronics Co., CDC, Roanwell, and even "Conn. Tel. & Elec. Div., Great American Industries Inc."

Don't think I mentioned it in my posts to the list, but the ANB-H-1 is a low-z \*magnetic\* unit, while the ANB-H-1-A is low-z \*dynamic\*. This info was in a couple entries in NAVSHIPS 900,109 dated Sept 1945.

Telephonics (as in your Navy headset) made headsets (HS-33, H-1/AR, TH-37, etc.), microphones (RS-38), and keys (CTE-26003A), and who knows what else.

The "NAF" stands for Naval Aircraft Factory, located in Philadelphia during the war. You'll see those NAF type numbers on a lot of aircraft accessories. Don't think I've ever seen a listing of NAF numbers, though.

73.....Ray Mote, W6RIC <rmote@rain.org> Oxnard, CA

From boatanchors@theporch.com Tue May 21 15:26:26 1996

From: John Kolb <jlkolb@cts.com>

Subject: Re: ID for headphones?

Message-ID: <Pine.SCO.3.91.960521094345.3653A-1000000@sd.cts.com>

On Tue, 21 May 1996, Ray L. Mote wrote:

> Don't think I mentioned it in my posts to the list, but the ANB-H-1 is a  
> low-z \*magnetic\* unit, while the ANB-H-1-A is low-z \*dynamic\*. This info  
> was in a couple entries in NAVSHIPS 900,109 dated Sept 1945.

Now you have me curious. What's the difference between magnetic and dynamic? Unlike the R-14 receiver, which you can open and see the metal diaphragm and coils, the ANB-'s have sealed cartridges. Would magnetic be a metal diaphragm, with the coil around the magnet and dynamic have a voice coil mounted to the diaphragm? 300 ohms worth of voice coil would be quite a mass to move.

An R-14 headphone element was in the Cub Scout crystal radio kit

about 1953 that started me into electronics.

73's

John Kolb KK6IL

From boatanchors@theporch.com Tue May 21 21:37:06 1996  
From: "Ray L. Mote" <rmote@rain.org>  
Subject: Re: ID for headphones?  
Message-ID: <Pine.SUN.3.93.960521162222.12054A-1000000@coyote.rain.org>

Okay, bring in the stunt double! Where *\*is\** that guy, anyway?

John, I've never opened up those elements, and you'll have to find someone who speaks Dynamic-ese to answer that question. I'll be interested to hear what the story is. Anybody able to answer that one?

73.....Ray Mote, W6RIC <rmote@rain.org>

On Tue, 21 May 1996, John Kolb wrote:

>  
> What's the difference between magnetic and > dynamic? ... Would  
> magnetic be a metal diaphragm, with the coil around the magnet and  
> dynamic have a voice coil mounted to the diaphragm? 300 ohms worth  
> of voice coil would be quite a mass to move.  
>  
> John Kolb KK6IL

From boatanchors@theporch.com Tue May 21 21:37:06 1996  
From: Allen Tucholski <allent@en.com>  
Subject: Knight TR-108 (2M AM rig) \$25  
Message-ID: <1.5.4.16.19960521212526.2c272dbc@en.com>

Have a nice TR-108 Knight kit 2 meter am rig for sale or trade.  
(no tubes come with the radio)  
The rig has a mint front panel, cabinet and knobs.  
The rig is not working on receive (someone modified the converter)  
Uses a 2e26 final 15 watts in =3 watts out. ( not too efficient)  
but it does work well on transmit.  
Plate modulation (6L6GC)  
Comes with original mic, manual, and AC power cord.

Allen

NASA Lewis Research Center  
Cleveland, Ohio

From boatanchors@theporch.com Mon May 20 23:37:21 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: LF RX  
Message-ID: <66692.ddillman@igc.apc.org>

On Mon, 20 May 1996 08:22:30 -0500 (CDT),  
Duncan Cadd <dcadd@luc.ac.be> wrote:

>Can anyone say what BAs would be suited to receiving transmissions on  
>16.8kc/s ? mni tnz,

Greetings, Duncan, from bright and sunny San Francisco!

In my experience, the military RBA receiver is excellent at such frequencies.  
Of course, where I am now in San Francisco I can't hear a blasted thing  
in that range due to the noise but when the noise was less it certainly  
impressed me as a smooth-operating, sensitive receiver. I also noted that  
at least one well-known VLF enthusiast also uses the RBA.

Of course, the RBA and its companion power supply require a strong back  
but you may still want to keep an eye out for one.

Dick Dillman  
WPE2VT N6VS ex-WA2BJK  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Tue May 21 21:37:06 1996  
From: Sandy Blaize <70401.134@CompuServe.COM>  
Subject: Looking for: RT-46/TRC-10  
Message-ID: <960521203539\_70401.134\_IHD154-3@CompuServe.COM>

\*\*\*WANTED!\*\*\*

Radio Transmitter-Receiver RT-46/TRC-10. Covers 2-12 Mhz.  
I am mainly looking for the receiver-transmitter with or without the 'legs'.  
Possibly the power supply PP-74/TRC-10. Not particularly interested  
in the hand crank generator.

Will buy outright or trade other gear/parts for same.



73,  
Sandy W5TVW  
70401.134@compuserve.com

From boatanchors@theporch.com Tue May 21 21:37:06 1996  
From: Greg Carter <kx4r@mindspring.com>  
Subject: MacKay 128AY info needed  
Message-ID: <199605212013.QAA01997@borg.mindspring.com>

Hello BA gang !

Today, in a swap with a local SWL I came home with an old receiver  
which I know nothing about.....it just looked too nice to pass up !

It's a regenerative 4 Band Low frequency receiver covering  
15 to 650 Kc.  
I.D. Tag on upper right corner of front panel reads:

Marine Radio Receiver  
Type 128 AY  
Serial no. xxxxxxxx  
MacKay Radio & Telegraph Co.  
Marine Division

To the immediate left of this tag is a decal stating that the unit was  
"Tropicalized" in Mar 1945.

On the lower middle front panel is another tag stating:

Manufactured By Federal Telephone & radio Corp.  
Newark, NJ, USA

Tubes used:35Z5GT      6J5      6SJ7      6SJ7      6G6G      6SK7

Can anyone out there help with info on this beast, or manual, schematic,  
etc.

Tnx very much!  
Greg KX4R  
kx4r@mindspring.com

From boatanchors@theporch.com Tue May 21 21:37:06 1996  
From: "Gary H. Harmon, Jr." <gharmon@txdirect.net>  
Subject: Manual Thread cont.

Several weeks ago there was a thread about manual copies from various resellers. I received a manual today from A.G. Tannenbaum and it is excellent. Crisp copies and even has one of those neat edge connectors (the name escapes me). Also came with a copy of the latest price guide.

gary

Gary H. Harmon, Jr., K5JWK gharmon@txdirect.net  
6302 Robin Forest K5JWK@K3WGF.EL09TN.#SAT.TX.USA.NOAM  
San Antonio, TX 78239 (210) 657-1549

Greetings,

>From the rigs I've got I know of two manufacturers for mechanical filters; Collins in my R390A and SB-34 and Kokusai in my KW2000B and Lafayette HA-350. Does anyone know of other manufacturers of mechanical filters and were the mechanical filters in some R390A's something other than Collins. In any event, did Collins license the technology to others? Was perhaps even Kokusai licensed by Collins?

Regards,

Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com

From boatanchors@theporch.com Tue May 21 15:26:26 1996

From: "Edward J. Zeranski" <ejz@nosc.mil>

Subject: Mil.Radio.SLO(Mil Radio Restoration Group)

Message-ID: <2.2.32.19960521175606.0070f258@marlin.nosc.mil>

On Sat. May 17 about 30 military radio collectors, restorers, and users got together in San Luis Obispo CA to demo, display, and discuss the hobby and equipment. I'm not sure if it was an accident but it was Armed Forces Day weekend. Thanks to a lot of hard work by Ray Mote and Hank Brown the whole thing came off a success.

For me one of the surprises was the hands on "please touch" atmosphere. With Dave Stinson's two command set stations working in the room, Bjorn Forsberg's Swedish and Russian pack/tactical radios on display and with the willingness of folks open equipment there was plenty to see and learn. Hank Brown did a review of command sets and their history which prompted quite a bit of participation. I'll have to stop using them as bookends! The BC-375 was covered by Dave Stinson with a borrowed set( from Tom Horsfall?). He hit the importance of a good pwr source and neutralization if the set is going on the air. The Big Guy made it pretty clear that he likes the Big Transmitter even if it is "Rodney Dangerfield" of mil gear.

Henry Engstrom brought his BC-474/SCR-288 to display and talked about the set's origin and use, a very nice radio and presentation. I think it was the radio in March 96 Electric Radio. June 1991 ER#26 also has a BC-474/SCR-288 article. At the back of the room, next to Dave's command sets, Lynn Smith's SCR-178 was a fine example of 1930's mil gear. The set was in its transit case and looked ready for deployment to Camp Roberts or Hunter Liggett.

It was a great weekend! There are now faces to go with the BA names too! The plan is to do it again next year and see how many more folks show up to share info and interest in mil radios. I've volunteered to get the info out and give a heads up for changes etc. BA and ER provide a good comm. pipe so both of those assets will be used. I'd like to do direct mail also for Mil Radio people not online so if you know anyone interested send me their address. Here is how I can be contacted: Ed Zeranski

ezeran@cris.com (home)

4712 Coronado Ave.  
San Diego, CA  
92107

ejz@nosc.mil (work)  
619-223-3242 (home)

Edward J Zeranski N5RA code 821 ejz@marlin.nosc.mil  
619 553-2640

DSN 553-2640  
FAX 553-1394  
STU-III 2640

From boatanchors@theporch.com Tue May 21 21:37:06 1996  
From: "David L. Thompson" <thompson@mindspring.com>  
Subject: More of the high priced spread  
Message-ID: <199605212025.QAA09107@borg.mindspring.com>

The guy who wanted \$\$ for the Ranger 1 and the S-40B is at it again on rec.radio.swap. He nows prices the Ranger at \$299 and the S-40B at \$149. He even says he has a web page. We could all have web pages if we sell our gear at his prices. Must be a dealer! Hope he sat thru Dayton without a customer!

"I pass" is often a good decision.

Dave K4JRB

From boatanchors@theporch.com Tue May 21 21:37:06 1996  
From: "Allan Fritsche" <fritsche@msn.com>  
Subject: National Receivers In general  
Message-ID: <UPMAIL03.199605220157220265@msn.com>

Gang, I have no experience with National Brand receivers( except for the lowly NC-60 I had when a kid, BTW still would like one to buy). Why is it that there is hardly ever any discussion on this list about them, Anybody besides me wonder. ( I hope).

Ive got a collection of CQ and QST(mixed) from 1940 to 1960 and it isn't as if they didn't make any products and I have been told that they were of good quality. But why no talk about them, except for an occasional I saw sale at a flea.

Whats up DOC?... To expensive, they were really a piece of you know what, or is everyone hording them for the Holacost(spelling).

Just Curious  
Al  
fritsche@msn.com

From boatanchors@theporch.com Tue May 21 15:26:26 1996

From: Terry Burge <terrybu@netman.ENS.TEK.COM>  
Subject: NC-57B discrepancy?  
Message-ID: <9605211537.AA03009@netman.ENS.TEK.COM>

Gang,

While recapping and changing out of spec resistors in this National I came across something I am not sure of. If someone has one of these or an original schematic/manual they might check to see if my SAMs is wrong. (hope I remember these resistor numbers correct) Two resistors in this rig appear to have been swapped at the factory, a 22K and a 47K, parts 83 and 60 I believe. Maybe someone else has ran across this? The SAMs shows a 22K across pins 4 to 3 of the 6K6 screen to plate but mine had a 47K. Not sure it would make a whole lot of difference and the radio did work when I got it (although you could probably fry an egg on the top cover). I have just by recapping the thing lowered the power consumption from 100 to 80 watts so I think I am making good headway on it. Interesting radio.

Also, has anyone ran into the problem of the bandspread slipping and come up with a fix? I tried supper glue but no luck. Maybe my hot glue gun.

Terry  
KI7M

From boatanchors@theporch.com Tue May 21 21:37:06 1996  
From: Greg Carter <kx4r@mindspring.com>  
Subject: Need Manual NC-183-D  
Message-ID: <199605212013.QAA02015@borg.mindspring.com>

Hello again everyone!

It seems that I'm in need of the above manual and will gladly buy one or re-imburse for copying and postage costs.

73 es tn timer!

Greg  
kx4r@mindspring.com

From boatanchors@theporch.com Tue May 21 21:37:06 1996  
From: wb6zwc@ns.net  
Subject: Neon  
Message-ID: <199605220201.TAA08881@tomcat.ns.net>

Hello Gentlemen:

What happens to a neon bulb with age? Does it just stop?  
Is it possible to tell if one is near the end of useful life?

Wanted 312-B3  
Richard@Sacramento,Ca.

From boatanchors@theporch.com Mon May 20 23:37:21 1996  
From: Pete McCollum 20-May-1996 1442 -0600 <mccollum@ssdevo.ENET.dec.com>  
Subject: new Archive file: AN.GRC-109.DATA  
Message-ID: <9605202043.AA17231@us3rmc.pa.dec.com>

There is a new file in the Boatanchors Archive named AN.GRC-109.DATA .  
It contains some general info, as well as observed serial numbers for  
GRC-109, RS-1, RS-6, and GRA-71 units.

If you have any info to add, please send it to MCCOLLUM@SSDEVO.ENET.DEC.COM .  
I will be updating the file periodically as new info comes in.

Pete NOTDM

From boatanchors@theporch.com Tue May 21 15:26:26 1996  
From: stever@cybercomm.net (Stephan Rashkin)  
Subject: R-392 Standby position  
Message-ID: <199605211627.MAA23254@raven.cybercomm.net>

Hi Gang,

I had a discussion while back with one of the fellas on the LIST  
about the differences between placing the switch on the R-392/URR  
in "stand-by" vs. shorting "pin B" on the power socket to ground,  
however we never came to any solid conclusions as to whether they  
accomplished the same electronically..Anyone out in BA List land know  
exactly what shorting "pin B" to ground does? Does it lift cathodes  
in the RF and IF's, disconnect B+, short the antenna input to ground  
or what ?

Thanks 73,

Steve, WA2NHZ

\*\*\*\*\*

Steve Rashkin, WA2NHZ  
Howell, New Jersey

E-mail: stever@raven.cybercom.com

\*\*\*\*\*

From boatanchors@theporch.com Mon May 20 23:37:21 1996  
From: "Allan Fritsche" <fritsche@msn.com>  
Subject: Remebering Old WWII headsste  
Message-ID: <UPMAIL03.199605210038130978@msn.com>

I would lke to know if anyone can remember the old Army/Navy suplus store that was located on Jensen Drive in Houston. If I recall they still had HS-33's and the like in the late fifties. God the place stunk of old uniforms. I did get a headset there for 25cts. I just can't remember what model. It would be nice to go back in time and see what we all missed in those glorious places.

Later  
Al  
fritsche@msn.com

From boatanchors@theporch.com Tue May 21 15:26:26 1996  
From: "Ray L. Mote" <rmote@rain.org>  
Subject: Special Speed-X key & FL-10 filter sought  
Message-ID: <Pine.SUN.3.93.960520235931.23467A-100000@coyote.rain.org>

Around the beginning of WW2, there were some Johnson Speed-X keys used in the SCR-288. They had chromed bases, and the special feature was a captive screw located on the left side of the base. That screw is used to attach the key to the inside of the case lid on a BC-474 tx/rx unit. Can anyone help locate one of these (that isn't already attached to a BC-474)?

While looking, there is also a filter unit called the FL-10 which is used with the BC-474. These are about 4 or 5 inches square and about an inch thick, with connectors in the edges. Without it, you can't run a BC-474 receiver with the hand-crank generator (you have to use a battery). If you know where any of these can be had, I'd like to know about it.

73.....Ray Mote, W6RIC <rmote@rain.org> Oxnard, CA

From boatanchors@theporch.com Tue May 21 21:37:06 1996  
From: wb6zwc@ns.net

Subject: tube source  
Message-ID: <199605220201.TAA08886@tomcat.ns.net>

Yet another place for BA tubes and things.

Surplus Trader: 510-670-8966

Wanted 312-B3  
Richard@Sacramento,Ca.

From boatanchors@theporch.com Mon May 20 23:37:21 1996  
From: "Mike O'Brien" <mobrien@lib.drury.edu>  
Subject: Re: Tube-sniffing  
Message-ID: <9605202125.AA15339@lib.drury.edu>

At 03:17 PM 5/20/96 -0500, Andy Wallace wrote:

>

>And as to "why boatanchors" -- I guess I just like the  
>smell of hot tubes. They really do smell, you know!

>

I prefer to describe it not as a smell but a delicious aroma...

73,

Mike NONLQ

Mike O'Brien (mobrien@lib.drury.edu)

From boatanchors@theporch.com Mon May 20 23:37:21 1996  
From: john <johnmb@nando.net>  
Subject: Re: UTC Transformer  
Message-ID: <199605202142.RAA07845@parsifal.nando.net>

At 12:05 PM 5/20/96 -0500, you wrote:

>specs for an A-63, and it turns out to be a LS-63!

No problem! Here's the scoop on the LS63:

Output transformer to line and voice coil

Primary will match typical tubes:



6AS7, 6080, 6L6, 5881, KT66,  
807, 1614

Primary Z:  
10,000 ohms plate to plate and 6,000 ohms  
plate to plate.

Secondary Z:  
30,20,15,10,7.5,5,2.5,1.2

+/- 1dB from 7-50,000

20 watts

LS-2 case

The linear standard was the creme de la creme  
of their audio xfmr line!  
/john

-----  
John Brewer johnmb@nando.net  
WB50AU/4                      AMI #24  
Vintage Gear web page: <http://www.zynet.com/~johnb>  
-----

From boatanchors@theporch.com Mon May 20 23:37:21 1996  
From: Andy Wallace <wallace@mc.com>  
Subject: What Got Me Started / First Books  
Message-ID: <9605201958.AA03856@taku>

Since most of you probably think I ramble, I will try  
to be brief! :-)

My earliest recollection if "ham radio" was my dad using  
his 75A-4/Invader 2000 combination. I used to enjoy  
watching the stoplights on the Invader change color  
as a toddler.

My first experience with shortwave was when I built a  
radio circuit using a Radio Shack 50-in-1 Electronic  
Project Kit and pulled the slug out of the coil. Instant  
SWL! I heard the Interval Signal for Radio Nederland and  
proclaimed to my dad that I heard Holland on the AM band.

He set me straight and since all of HIS gear was ham-band

only, lent me my grandfather's old Air Castle table  
radio. A pic of this is at John Brewer's website:  
<http://www.zynet.com/~johnb>, RADIO ROOM, then KA1GTT.

I spent several years happily SWLing and collecting  
SWBC QSLs, which is indeed challenging if you've never  
done it. I also read all the books at the local library  
under the 621.384 Dewey Decimal entry. LEARNING THE  
RADIOTELEGRAPH CODE and THE SHORTWAVE LISTENER'S HANDBOOK  
by Hank Bennett were definitely well-read. One I  
remember fondly was HARPER'S WIRELESS BOOK, from about  
1914, all about spark transmitters and crystal receivers.  
What a joy to read. I'm happy to say that I now have  
a copy, and no, I didn't steal it from the library.  
(Their copy was missing a few years ago when I checked,  
no doubt sold for \$1 at the annual sale.) TODAY I AM  
A HAM was also a favorite.

After bidding on a DX-100B at a local ham auction at  
age 16, I had the incentive to get the ticket even  
though I enjoyed SWBC DXing \_just as much\_. I  
wound up selling the DX-100 and using my dad's  
Yaesu FT-301 when I got the ticket, and had a blast  
on 10 and 15m QRP. Sadly, my dad hasn't used tube rigs  
since the Heath SB-100 station. However, I still used  
them for SWLing since the Japanese digital readout/keypad  
entry revolution hadn't happened yet -- a National HRO-50  
and an R-388 were my rigs.

And as to "why boatanchors" -- I guess I just like the  
smell of hot tubes. They really do smell, you know!

73,  
--Andy  
wallace@mc.com

From boatanchors@theporch.com Tue May 21 15:26:26 1996  
From: robert fowle <hammarlund@voyager.net>  
Subject: what is this  
Message-ID: <199605211613.MAA11670@vixa.voyager.net>

have a chance to pick up a B&K model 360 TDR...but don't know what it is, or  
does.

Can anybody help on this? it has all acc's with it....for what thats worth.  
thanks

=====]-[->

Robert Fowle KC8DBC

The HAMMARLUND Historian  
Ph. voice or fax 517-789-6721

1215 Winifred

Jackson, Mich. 49202-1946

E-mail at: hammarlund@vixa.voyager.net

HAMMARLUND LITERATURE WANTED

WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT

=====]-[->

From boatanchors@theporch.com Tue May 21 15:26:26 1996

From: pbock@melpar.esys.com (Paul H. Bock)

Subject: what is this

Message-ID: <9605211621.AA15167@syseng1.se.melpar.esys.com>

>have a chance to pick up a B&K model 360 TDR...but don't know what it is, or  
>does.

>Can anybody help on this? it has all acc's with it....for what thats worth.

>thanks

Normally, "TDR" signifies a time-domain reflectometer. This device is used to test coaxial cables by sending a signal down the line and looking for reflections. It has a calibrated display so the location of a "reflection" (cable break, bad kink-caused impedance lump, etc.) can be determined. If the cable is terminated in its characteristic Z and not faulty or damaged, there are no reflections; if the cable is open or shorted the display will show that condition.

It's a great RF test tool, saves lots of time checking cables on large assembly jobs (with 10's or 100's of cables).

But I sure didn't know that B&K made such a device.....last one I used was an HP (admittedly several years ago) - and it was \*NOT\* cheap!

73,

Paul, K4MSG

|       |                          |                                   |
|-------|--------------------------|-----------------------------------|
| ( _ ) | * Paul H. Bock, Jr.      | * Principal Systems Engineer      |
| )     | * E-Systems/FC Division  | * Telephone: (703) 560-5000 x2062 |
| )     | * 7700 Arlington Blvd.   | * Internet: pbock@melpar.esys.com |
|       | * Falls Church, VA 22046 | * Mailstop: N204                  |

"Imagination is more important than knowledge." - Albert Einstein

From boatanchors@theporch.com Tue May 21 15:26:26 1996  
From: "Edward J. Zeranski" <ejz@nosc.mil>  
Subject: Re: what is this  
Message-ID: <2.2.32.19960521182326.00bf39a4@marlin.nosc.mil>

At 11:14 5/21/96 -0500, you wrote:

>have a chance to pick up a B&K model 360 TDR...but don't know what it is, or  
>does.

TDR is usually Time Domain Reflectometer. They are used to test cable, transmission lines etc. A pulse is sent down the line, the TDR gauges the reflection, then displays the loss over the cable run and at each connector, bend etc. It is a great tool for finding breaks or anomalies in long runs like TV cable or coaxes in hard to get at places like aircraft carriers. Depending on the set's resolution you can be in the ballpark when hunting for cable problems. The field sets I've used are HP for copper and Laser Precision, Tectronic for fiber.

Ed Zeranski ejz@marlin.nosc.mil, work  
ezeran@cris.com home  
Wooden Boats, Tube Receivers, Rusty Old Trucks, The Good Stuff!

This is a private opinion or statement and is nobody's fault but mine. No person, employer, or govt. should try to take credit for it!

From boatanchors@theporch.com Tue May 21 21:37:06 1996  
From: "Allan Fritsche" <fritsche@msn.com>  
Subject: Where is Michael?  
Message-ID: <UPMAIL03.199605212350260598@msn.com>

Where is Michael J. Knudsen. The last post if I recall was about three weeks ago and he said he was going on vacation for a while. Hopefully he still is on vacation. Anybody heard from him?

Thanks

Al

fritsche@msn.com

From boatanchors@theporch.com Tue May 21 15:26:26 1996  
From: kilgore@dev.tivoli.com (Jeff Kilgore)  
Subject: Why Boatanchors  
Message-ID: <9605211403.AA04474@wichita.tivoli.com>

>  
>  
> And as to "why boatanchors" -- I guess I just like the  
> smell of hot tubes. They really do smell, you know!  
>  
> 73,  
> --Andy  
> wallace@mc.com  
>

Yes, they do, and I rather like that smell. I can often be found bent over the cabinet of a boatanchor enjoying the bouquet (sp?) of a fine vintage radio. Several times in the past, my wife found me doing just that and would ask something like "What are you doing?" or "Is something wrong with that radio?", to which I would reply that I just enjoyed the smell of warm tubes. She doesn't ask such questions any more, after hearing this answer so often.

73,  
Jeff Kilgore, KC1MK

From boatanchors@theporch.com Mon May 20 23:37:21 1996  
From: afpgreg@state.me.us (Paul V. Gregory)  
Subject: WTB: 1L6  
Message-ID: <199605201530.LAA11690@gatekeeper.ddp.state.me.us>

Ahoy,  
A spare N.O.S. 1L6 for my RR-2 (GRC-109) rx would bring me closer to radio nirvana. Anyone got one to sell? Like Jeff Herman, I'd rather spend my dough on friends.

TIA de KB1AOC/Paul.  
email: afpgreg@state.me.us

From boatanchors@theporch.com Mon May 20 23:37:21 1996  
From: David Metz <metzd@cfw.com>  
Subject: WTB: HQ 145X parts unit  
Message-ID: <9605202313.AA24371@milo.cfw.com>

I just can't resist a good looking "bargain". This weekend I purchased a very nice looking HQ145 that needed a "transformer". Thinking it was the power transformer because it had all the wires loose from the power supply and no filter cap, I was able to put in a can cap and wire it back up. A short time later all was wired up and time for the variac and the smoke

test. Shortly, I saw sparks coming from one of the rf cans. Its one of the rf'ers for the 1-4 mc. I would like to buy a chassis with those cans still in place. I really don't think I should need much else. If it didn't look so good, I would use it for a parts unit but I can't bring myself to that conclusion. Given how hard it was to remove that sucker, I feel it would be unfair to ask someone to remove it and then sell it to me so I would hope to buy a parts unit as the simple solution.

2nd question: This is the 2nd Hammerlund in a row for me that had a shorted IF/RF can. Is that a weakness of this breed?

3rd question. With this shorted can out, I am still drawing about 90 mils via the center tap to ground. Is this about right, or do I still have "other" problems that would indicate this is a hopeless case. Suprisingly, with the can out, I got a good background noise through the speaker.

In advance, I would be very appreciative of any help in locating this can.

73's dave metzd@cfw.com

From boatanchors@theporch.com Tue May 21 15:26:26 1996  
From: Sandy Blaize <70401.134@CompuServe.COM>  
Subject: WTB: RCA HB-3 Tube Handbook  
Message-ID: <960521054403\_70401.134\_IHD80-1@CompuServe.COM>

I had one of these that I bought years ago and kept up to date.  
It was lost in a flood! Is there anyone out there willing to part with one that they might have?  
73,  
Sandy W5TVW

From boatanchors@theporch.com Mon May 20 23:37:21 1996  
From: dma@IslandNet.com (Jan Skirrow)  
Subject: Re: WW11 mfg.query A(Crown)M  
Message-ID: <m0uLeG9-000W51C@comm.amtsgi.bc.ca>

>What WS4S is looking at is the insignia of what was the "Air Ministry" of  
>the UK. Equipment bought for the RAF (Royal Air Force) would have been  
>marked with that designation.

The ART-13 I got from Fair Radio has the same insignia. Wonder how much of this stuff got back to the US, or if gear for the RAF ready to ship when WWII ended never left the US???

Jan Skirrow, VE7DJX

dma@islandnet.com

From boatanchors@theporch.com Mon May 20 23:37:21 1996  
From: Arthur Moe <kb7ww@aracnet.com>  
Subject: XYL's  
Message-ID: <199605210214.TAA10587@trapdoor.aracnet.com>

Keepers of the glow:

I would like to tell you of something that I saw at Dayton that has me wondering... So, here's the story. While searching through all of the Glorious goodies at the flea market I wandered into this tent like place that was full of the BA stuff that we all search after. Through the crowd I could see a NAVIGATOR sitting on the shelf at the rear. Pushing and shoving my way to the back to get to it, I came upon this inmoveable lady. I Stood behind her hopping she would soon end her conversation with this guy and I could lay my hands on this prize. Well it soon became apparent that she was interested in this fine rig and was trying to make a deal for it. Well she made the deal and my quest went for not. Anyway most of us guys have heard our XYL's say "ONE MORE RADIO AND IT'S DIVORCE TIME, OR WHAT ANOTHER PIECE OF JUNK, etc. Well let me tell what she told the guy as she hands him the money "THIS IS AN ANNIVERSARY PRESENT FOR MY HUSBAND" !!!!!!!!!!!

So friend, if you got the NAVIGATOR I would like to know, if your XYL has a sister that is of the same mind ????

73's  
art

\*\*\*

AT THE END OF THE OREGON TRAIL

|                        |             |
|------------------------|-------------|
| Arthur Moe             | ARRL - Life |
| A.R.S. KB7WW           | SMIRK #733  |
| QTH: Oregon City, Or.  | QRP ARCI    |
| kb7ww@aracnet.com      | QRP-1 #290  |
| artmoe@agora.rdrop.com |             |

KB7WW Tmps 1996 Q's-019 States-08 Confirmed-000 DX-06

AK AL AZ CA CO HI VA WI  
AK HI JA OZ ZL 9M